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April 11, 1958

Dear Sir:

This letter report describes the work done on Task Order No. U during March, 1958.

On March 4, a meeting was held in Columbus with you and a representative of the other organization participating in the project. The purposes of the meeting were to discuss compatibility of the parts of the system and to coordinate work schedules. The major point of compatibility discussed involved the signal levels involved at the input to the decoder. It was agreed that signals would be generated from a low-impedance source and that the idling level would be zero volts. These signals would occur in the form of 42 discreet 25-millisecond-positive pulses encompassing a range of approximately 5 to 50 volts. Gain would be provided so that this range could be extended to include levels of approximately 10 to 100 volts.

The target date for demonstrating the over-all system was tentatively set for the middle of May, 1958. It was agreed that representatives of the organizations involved in the development would meet prior to this date in order to operate and prove out the over-all system.

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On the basis of the agreements reached at this meeting, the major part of this month was spent completing the design and building a functional apparatus for use in establishing the operating characteristics of this design. This work was satisfactorily completed, and the necessary components were ordered. Construction of the unit was started and will progress as the parts are received.

Plans for next month are to complete the construction and possibly to evaluate the operation of the decoder (if all the necessary components are received).

The original appropriation under this Task Order was \$10,218. As of April 1, 1958, the unexpended balance was approximately \$4,600.

Sincerely,



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ABW:mjc

In Duplicate